

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
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12. (canceled)
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16. (canceled)
17. (canceled)

18. (canceled)

19. (canceled)

20. (canceled)

21. (canceled)

22. (new) A storage system comprising:

a plurality of disks including first type disks configuring a RAID group and at least one second type disk, wherein each of the first type disks stores one of data received from a computer coupled to the storage system or parity data used for recovering the data received from the computer, and wherein the at least one second type disk is used as a spare disk for storing copy data of data stored in one of the first type disks; and

a control section configured to hold an error status of each of the first type disks, start to mirror data between one of the first type disks and the at least one second type disk when the error status of the one of the first type disks matches a predetermined first criterion,

wherein, after starting to mirror data between the one of the first type disks and the at least one second type disk, the control section is configured to stop mirroring data between the one of the first type disks and the at least one second type disk and start to mirror data between another one of the first type disks and the at least one second type disk, according to the error status of the one of the first type disks and the another one of the first type disks.

23. (new) A storage system according to claim 22, wherein

the control section is configured to compare the error status of each of the first type disks, and

based on the result of error status comparison between the one of the first type disks and the another one of the first type disks, the control section is configured to stop mirroring data between the one of the first type disks and the at least one second type disk and start to mirror data between the another one of the first type disks and the at least one second type disk.

24. (new) A storage system according to claim 22, wherein
when the error status of one of the first type disks matches a predetermined
second criterion, the control section is further configured to stop mirroring between the one of
the first type disks and the at least one second type disk and configure a RAID group including
the at least one second type disk instead of the one of the first type disks.

25. (new) A storage system according to claim 24, wherein
the error status of each of the first type disks is error count of each of the first
type disks, and both of the predetermined first criterion and the predetermined second criterion
are predetermined values of error count.

26. (new) A storage system according to claim 25, wherein
the value of error count for the predetermined first criterion is zero, whereby
the control section is configured to mirror data between the one of the first type disks and the
at least one second disk initially.

27. (new) A storage system according to claim 25, wherein the error count
for the first criterion is updated according to the change of the error status of the first type
disks configuring a RAID group.

28. (new) A storage system according to claim 22, wherein
the error status of each of the first type disks is error count of each of the first
type disks, and

when the error count of the another one of the first type disks becomes larger
than the error count of the one of the first type disks, the control section is configured to stop
mirroring data between the one of the first type disks and the at least one second type disk
and start to mirror data between the another one of the first type disks and the at least one
second type disk.

29. (new) A storage system according to claim 22, wherein information
indicating a pair of disks configuring a mirroring pair is output from the storage system to a
management computer coupled to the storage system.

30. (new) A storage system according to claim 22, wherein the predetermined first criterion is updated based on the error status of the first type disks configuring a RAID group.